

09/889609  
JC18 Rec'd PCT/PTO 19 JUL 2001  
PCT/US00/00938

WO 00/43526

-1-

SEQUENCE LISTING

<110> Wolosker, Herman

5 Takashashi, Maasaki  
Mothet, Jean-Pierre  
Ferris, Christopher  
Snyder, Solomon

10 <120> Mammalian Serine Protease

<130> 01107.82348

15 <160> 10

<170> FastSEQ for Windows Version 3.0

<210> 1

20 <211> 1018  
<212> DNA  
<213> Mus musculus

<400> 1

25	atgtgtgctc agtactgcat ctcccttgct gatgttggaa aagctcatat caacattcaa	60
	gactctatcc acctcacccccc agtgctaaca agctccattt tgaatcaaat agcagggcgc	120
	aatcttttct tc当地atgtga gctcttccag aaaactgggt ct当地taagat tc当地aggtgcc	180
	cttaatgcca tc当地aggcctt aattcctgac acgccagaag agaagcccaa agccgttagtt	240
	actcacagca gc当地aaacca tggccaagct ctcacccatg ct当地taaact ggaaggaatt	300
30	cctgcttaca ttgtgggtcc ccaaacagct cccaaactgca agaaaactggc aatccaaagcc	360
	tatggagcat cgatagttata ctgtgacccca agtgacgagt cc当地agaaaa ggtcactcaa	420
	agaattatgc aagaaacaga aggcatttgc gtccatccca accaggagcc tgc当地gtata	480
	gctggacaag gaacaattgc cctggaaagtg ct当地accagg tt当地cttgggt agatgcactg	540
	gtggtaaccag taggaggagg aggaatgggt gctggaaatag cc当地ataat taaggccctg	600
35	aaaccttagt tgaaggtaata cgctgctgag ccctcgaatg cagatgactg ctaccagtct	660
	aaactgaaag gagaactgac cccaaatctt catcctccag aaaccatagc agatggtgcc	720
	aaatccagca ttggcttggaa tacctggcctt attataagag accttggtaa tggatgtttc	780
	actgtcaccg aagatgaaat caagtatgca acccagctgg tggggggag aatgaaactg	840
	ctcattgagc cgactgctgg cgtggcactg gctgcagtgc tggatgtca tttccaaaca	900
40	gtctctccag aagtaaagaa cgtctgcatt gtactcagtg gggggatgt agacctaacc	960

tcctgaact gggggggca ggctgaacgg ccagctcctt accagacggt ctgtttaa 1018

5 <210> 2  
<211> 608  
<212> DNA  
<213> Homo sapiens

10 <220>  
<221> misc\_feature  
<222> (1)...(608)

15 <221> misc\_feature  
<222> (1)...(608)  
<223> n = A,T,C or G

20 <400> 2  
ggcgccggcgc cgatgagctg agaaccatgt gtgctcagta ttgcacatctcc tttgctgatg 60  
ttgaaaaaagc tcataatcaac attcgagatt ctatccaccc cacaccaggc ctaacaagct 120  
ccatTTTgaa tcaactaaca gggcgcaatc ttttcttcaa atgtgaactc ttccagaaaa 180  
25 caggatcttt taagattcgt ggtgctctca atgccgtcag aagcttggtt cctgatgctt 240  
tagaaaaggaa gccgaaagct gttgttactc acagcagtgg aaaccatggc caggctctca 300  
cctatgctgc caaattggaa ggaattcctg cttatattgt ggtgccccag acagctccag 360  
actgtaaaaa acttgcaata caagcctacg gagcgtcaat tgtatactgt gaaccttagtg 420  
atgaagtcca gagaaaatgt tgcaaaaagg agttacagaa gaaacagaag gcatcatggt 480  
30 acatccccaaac caggaacctg cagtgtatgc tggacaaggg acaattgccc tggaaagtgt 540  
gaaccagggtt ctttgggtgg atccactggt ggnccctgta ggtggaagga ggaatgcttg 600  
ccggaaat 608

35 <210> 3  
<211> 509  
<212> DNA  
<213> Homo sapiens

40 <220>  
<221> misc\_feature  
<222> (1)...(509)  
<223> n = A,T,C or G

<400> 3  
ctgatgccccaaatctttatcc tccagaaaacc atagcagatg gtgtcaaatc cagcattggc 60

	ttgaancacc tggcctatta tcagggacct tgtggatgat atcttcactg tcacagagga	120
	tgaaattaag tgtcaaccc agctgggtg ggagaggatg aaactactca ttgaacctac	180
	agctgggtt ggagtggctg ctgtgctgtc tcaacatttt caaactgttt ccccagaagt	240
	aaagaacatt tgtattgtgc tcagtggtgg aaatgttagac ttaacacctt ccataacttg	300
5	ggtgaagcag gctgaaaggc cagttctta tcagtcgtt tctgttaat ttacagaaaa	360
	ggaaatggtg ggaattcagt gtcttagat actgaagaca ttttgttcc tagtattgtc	420
	aactcttagt tatcagatc ttaatggaga gtggcttattt cattaagggtt taatagttt	480
	tttggacta agtagtgaa aaactttta	509
10	<210> 4	
	<211> 32	
	<212> DNA	
	<213> Mus musculus	
15	<400> 4	
	acgcgtcgac caccatgtgt gctcagtact gc	32
	<210> 5	
	<211> 34	
20	<212> DNA	
	<213> Mus musculus	
	<400> 5	
	ataagaatgc ggcccgcttaa acagaaaaccg tctg	34
25	<210> 6	
	<211> 27	
	<212> PRT	
	<213> Rat rattus	
30	<400> 6	
	Leu Leu Ile Glu Pro Thr Ala Gly Val Gly Leu Ala Ala Val Leu Ser	
	1 5 10 15	
	Gln His Phe Gln Thr Val Ser Pro Glu Val Lys	
35	20 25	
	<210> 7	
	<211> 25	
	<212> PRT	
40	<213> Rat rattus	

&lt;400&gt; 7

His Leu Asn Ile Gln Asp Ser Val His Leu Thr Pro Val Leu Thr Ser

1 5 10 15  
Ser Ile Leu Asn Gln Ile Ala Gly Arg  
5 20 25

&lt;210&gt; 8

&lt;211&gt; 339

&lt;212&gt; PRT

10 <213> *Mus musculus*

&lt;400&gt; 8

Met Cys Ala Gln Tyr Cys Ile Ser Phe Ala Asp Val Glu Lys Ala His

1 5 10 15  
15 Ile Asn Ile Gln Asp Ser Ile His Leu Thr Pro Val Leu Thr Ser Ser  
20 25 30

Ile Leu Asn Gln Ile Ala Gly Arg Asn Leu Phe Phe Lys Cys Glu Leu

35 40 45

Phe Gln Lys Thr Gly Ser Phe Lys Ile Arg Gly Ala Leu Asn Ala Ile

20 50 55 60

Arg Gly Leu Ile Pro Asp Thr Pro Glu Glu Lys Pro Lys Ala Val Val

65 70 75 80

Thr His Ser Ser Gly Asn His Gly Gln Ala Leu Thr Tyr Ala Ala Lys

85 90 95

25 Leu Glu Gly Ile Pro Ala Tyr Ile Val Val Pro Gln Thr Ala Pro Asn  
100 105 110Cys Lys Lys Leu Ala Ile Gln Ala Tyr Gly Ala Ser Ile Val Tyr Cys  
115 120 125

Asp Pro Ser Asp Glu Ser Arg Glu Lys Val Thr Gln Arg Ile Met Gln

30 130 135 140

Glu Thr Glu Gly Ile Leu Val His Pro Asn Gln Glu Pro Ala Val Ile  
145 150 155 160Ala Gly Gln Gly Thr Ile Ala Leu Glu Val Leu Asn Gln Val Pro Leu  
165 170 17535 Val Asp Ala Leu Val Val Pro Val Gly Gly Gly Gly Met Val Ala Gly  
180 185 190Ile Ala Ile Thr Ile Lys Ala Leu Lys Pro Ser Val Lys Val Tyr Ala  
195 200 205

Ala Glu Pro Ser Asn Ala Asp Asp Cys Tyr Gln Ser Lys Leu Lys Gly

40 210 215 220

```

20 <210> 9
     <211> 1023
     <212> DNA
     <213> Homo sapiens

25 <400> 9
      atgtgtgctc agtattgcat ctcctttgt gatgttggaaa aagctcatat caacattcga 60
      gattctatcc acctcacacc agtgctaaca agtccattt tgaatcaact aacagggcgc
      aatctttct tcaaattgtga actcttccag aaaacaggat ctttaagat tcgtggtgct 120
      ctcaatgcgc tcagaagctt gtttcctgtat gcttttagaaaa ggaagccgaa agctgttgc
      actcacagca gtggaaacca tggccaggct ctcacctatg ctgccaaatt ggaaggaatt 180
      cctgcttata ttgtggtgcc ccagacagct ccagactgt aaaaaacttgc aatacaagcc 240
      30 tacggagcgt caattgtata ctgtgaacct agtgtatgagt ccagagaaaa tggcaaaaa 300
      agagttacag aagaaacaga aggcacatcatg gtacatccca accaggagcc tgcagtgata
      gctggacaag ggacaattgc cctggaagtg ctgaaccagg ttcctttggg ggtgcactg 360
      gtggcacctg taggtggagg aggaatgctt gctgaaatag caattacagt taaggctctg
      35 aaaccttagt tgaaggtata tgctgtgaa ccctcaaattt cagatgactg ctaccagtcc 420
      aagctgaagg ggaaactgtat gcccattttt tattttccag aaaccatagc agatgggtgc 480
      aaatccagca ttggcttgaa cacctggctt attatcaggg accttgcgg tggatatcttc
      actgtcacag aggatgaaat taagtgtgca acccagctgg tggggagag gatgaaacta 540
      ctcattgttac acatcactgg tggggagatg gctgtgtgc tggatctcaaca ttttcaaaact
      40 gtttccccag aagtaaagaa catttgttattt gtgctcagtg gttggaaatgt agacttaacc 600
      tcctccataa cttgggtgaa gcaaggctt gggccagctt cttatcagtc tggatctgtt 660
      960
      1020

```

taa

1023

<210> 10  
 <211> 340  
 5 <212> PRT  
 <213> Homo sapiens

<400> 10  
 Met Cys Ala Gln Tyr Cys Ile Ser Phe Ala Asp Val Glu Lys Ala His  
 10 1 5 10 15  
 Ile Asn Ile Arg Asp Ser Ile His Leu Thr Pro Val Leu Thr Ser Ser  
 20 25 30  
 Ile Leu Asn Gln Leu Thr Gly Arg Asn Leu Phe Phe Lys Cys Glu Leu  
 35 40 45  
 15 Phe Gln Lys Thr Gly Ser Phe Lys Ile Arg Gly Ala Leu Asn Ala Val  
 50 55 60  
 Arg Ser Leu Val Pro Asp Ala Leu Glu Arg Lys Pro Lys Ala Val Val  
 65 70 75 80  
 Thr His Ser Ser Gly Asn His Gly Gln Ala Leu Thr Tyr Ala Ala Lys  
 20 85 90 95  
 Leu Glu Gly Ile Pro Ala Tyr Ile Val Val Pro Gln Thr Ala Pro Asp  
 100 105 110  
 Cys Lys Lys Leu Ala Ile Gln Ala Tyr Gly Ala Ser Ile Val Tyr Cys  
 115 120 125  
 25 Glu Pro Ser Asp Glu Ser Arg Glu Asn Val Ala Lys Arg Val Thr Glu  
 130 135 140  
 Glu Thr Glu Gly Ile Met Val His Pro Asn Gln Glu Pro Ala Val Ile  
 145 150 155 160  
 Ala Gly Gln Gly Thr Ile Ala Leu Glu Val Leu Asn Gln Val Pro Leu  
 30 165 170 175  
 Val Asp Ala Leu Val Val Pro Val Gly Gly Gly Met Leu Ala Gly  
 180 185 190  
 Ile Ala Ile Thr Val Lys Ala Leu Lys Pro Ser Val Lys Val Tyr Ala  
 195 200 205  
 35 Ala Glu Pro Ser Asn Ala Asp Asp Cys Tyr Gln Ser Lys Leu Lys Gly  
 210 215 220  
 Lys Leu Met Pro Asn Leu Tyr Pro Pro Glu Thr Ile Ala Asp Gly Val  
 225 230 235 240  
 Lys Ser Ser Ile Gly Leu Asn Thr Trp Pro Ile Ile Arg Asp Leu Val  
 40 245 250 255

Asp Asp Ile Phe Thr Val Thr Glu Asp Glu Ile Lys Cys Ala Thr Gln  
260 265 270  
Leu Val Trp Glu Arg Met Lys Leu Leu Ile Glu Pro Thr Ala Gly Val  
275 280 285  
5 Gly Val Ala Ala Val Leu Ser Gln His Phe Gln Thr Val Ser Pro Glu  
290 295 300  
Val Lys Asn Ile Cys Ile Val Leu Ser Gly Gly Asn Val Asp Leu Thr  
305 310 315 320  
Ser Ser Ile Thr Trp Val Lys Gln Ala Glu Arg Pro Ala Ser Tyr Gln  
10 325 330 335  
Ser Val Ser Val  
340